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INJECTION DEVICE

FIELD OF THE INVENTION:

The invention relates to an injection device that can preferably administer a number of injections from the contents of a container in the injection device. For example, this kind of 5 injection device is used by patients with pernicious anemia in order to give themselves regular injections of hydroxycobalamin.

BACKGROUND:

In devices of this kind that are used by laymen, it is important that the operation is simple and easy to understand, 10 and that the injection does not cause much pain. It is also desirable that the patient who has a particular fear of needles does not see the needle directly.

A great number of semiautomatic and fully automatic 15 injection devices have been disclosed. Their construction is often very complex so that manufacturing costs are high. If after being used, a device is not intended for reuse but for disposal or recycling, then a device of this kind has to be composed of few parts and be very cheap to manufacture. Most injection devices which operate semi-automatically or fully 20 automatically do not meet this demand. See for example the fully automatic injection devices according to DE 39 14 818-A1, DE 40 13 769-A1, or DE-UM 92 00 192 (all by Adamaszek). These devices require a first spring for the insertion of the needle and a second spring for the injection of the fluid, and 25 furthermore, corresponding control devices that trigger the injection process by means of the second spring only when the insertion of the needle is finished, as a result of which these devices become very complex and expensive.

SUMMARY OF THE INVENTION:

30 It is a task or objective of the invention to provide a new injection device.